

**CIRCUIT AND METHOD FOR DETERMINING AN OFFSET ERROR OF A  
MEASUREMENT SUBJECT TO AN OFFSET ERROR OF A COIL CURRENT OF AN  
ELECTROMAGNETIC ACTUATOR**

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Abstract

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When measuring the coil current on an electromagnetic actuator, the current through the coil is measured when the actuator is in a final position in which the coil is not supplied with current. An offset error can be determined from the measured value then occurring. In the case of an actuator which drives a gas exchange valve, the offset error determination is preferably performed when the gas exchange valve is in the final position, in which the coil for which the offset error is to be determined is not supplied with current

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